

 <p>FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(USE SEVERAL SHEETS IF NECESSARY)</p>	ATTY. DOCKET NO. GNE.2930R1C5	APPLICATION NO. 10/033,435
	APPLICANT Botstein, et al.	
	FILING DATE December 27, 2001	GROUP 1856

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TECH CENTER 1600/2900

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
<i>N</i>	1	5,831,058	11/03/98	Fujiwara et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>N</i>	2	WO 98 45437 ✓	10/15/98	PCT				
	3	WO 00/04140 ✓	01/27/00	PCT				
	4	WO 00 58472 ✓	10/05/00	PCT				
	5	WO 01/29221 ✓	04/26/01	PCT				
<i>N</i>	6	WO 01 02568 ✓	01/11/01	PCT				

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER INITIAL		OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
<i>N</i>	7	Database EMBL 'Online! Entry HSA24389, 08/14/96, Hillier, L. et al., "ze74b01.r1 Soares_fetal_heart_NbHH19W Homo sapiens cDNA clone IMAGE: 364681 5', mRNA sequence." Database accession no. AA024389 XP002230500 ✓
	8	Database EMBL 'Online! Entry HSA25266, 08/14/96, Hillier, L. et al. "ze74b01.s1 Soares_fetal_heart_NbHH19W Homo sapiens cDNA cline IMAGE:364681 3', mRNA sequence." Database accession no. AA025266 XP002230501 ✓
	9	Database EMBL [Online] md78c02.r1 Soares mouse embryo NbME1cDNA clone (06/22/96) Marra et al., "The WashU-HHMI Mouse EST Protect" Database accession no. MM96732 XP002232923 ✓
	10	Database EBI 'Online! (08/19/98) Strausberg R. "qa12e07.x1 NCI_CGAP_Brn23 Homo sapiens cDNA clone IMAGE:1686564 3' similar to contains TAR1.b2 MSR1 repetitive element;, mRNA sequence." Database accession no. AI088845 XP002226252 ✓
	11	Database EMBL [Online] (01/11/99) Hillier, L. et al. "ao87d07.x1 Schiller meningioma Homo sapiens cDNA clone IMAGE:1952845 3' similar to contains element TAR1 repetitive element;, mRNA sequence." Database accession no. AI366107 XP002230801 ✓
	12	Database EMBL [Online] (01/13/99) Strausberg R. "qz48e01.x1 NCI-CGAP-Kid11 Homo sapiens cDNA clone IMAGE:2030136 3', mRNA sequence." Database accession no. AI373244 XP002230802 ✓
	13	Klein, et al. Selection for genes encoding secreted proteins and receptors, Proc. Natl. Acad. Sci. USA 93:7108-7113 (1996)
<i>N</i>	14	Tashiro, et al., Signal sequence trap: a cloning strategy for secreted proteins and type 1 membrane proteins, Science 261:600-603 (1993)

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EXAMINER <i>N</i>	DATE CONSIDERED 3/1/04
<p>*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.</p>	

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PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
GNE.2930R1C5APPLICATION NO.
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
<i>R</i>	1 5,536,637	07/18/96	Jacobs			

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
<i>R</i>	2.	Klein et al. (1996) Selection for genes encoding secreted proteins and receptors. Proc. Natl. Acad. Sci. USA 93:7108-7113.
<i>R</i>	3.	Database search, Locus list: hum (349, 801 seqs, 66, 964, 548 aa), Mon Jan 7 16:12:52 2002 [BLASTP 2.2.1 [Jul-12-2001], NCBI] 2 pp.
<i>R</i>	4.	Database search, Locus list: hum - est (1, 803, 435 seqs, 6, 559, 376, 613 bp), Tue Jan 8 09:16:23 2002 [BLASTN 2.2.1 [Jul-12-2001], NCBI] 6 pp.

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EXAMINER	<i>m</i>	DATE CONSIDERED	3/1/04
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